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ABSTRACT

This resource guide details the services and materials available from the National Coalition for Aviation Education (NCAE) member organizations. An alphabetical listing of 15 NCAE member organizations provides in each case the name of a contact person, address, telephone and fax numbers, and a very brief description of whom or what the organization represents or of the organization's purpose. This listing is followed by more detailed synopses of services and/or publications available from the NCAE member organizations: Aircraft Electronics Association; Aircraft Owners and Pilots Association; American Helicopter Society; Aviation Distributors and Manufacturers Association; EAA [Experimental Aircraft Association] Aviation Foundation, Inc.; General Aviation Manufacturers Association; Helicopter Association International; International Association of Machinists and Aerospace Workers; National Aeronautic Association; National Air Transportation Association; NASAO [National Association of State Aviation Officials] Center for Aviation Research and Education; National Business Aircraft Association; Opportunity Skyway; Professional Aviation Maintenance Association; and aviation education programs sponsored by the Federal Aviation Administration (FAA). (YLB)

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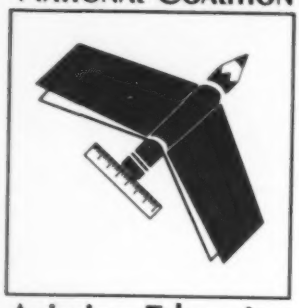
National Coalition



Aviation Education

A Guide to Aviation Education Resources

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National Coalition for Aviation Education (NCAE)

Mission Statement

The National Coalition for Aviation Education represents industry and labor, united to promote aviation education activities and resources; increase public understanding of the importance of aviation; and support educational initiatives at the local, state and national levels.

Aircraft Electronics Association (AEA)

Aircraft Owners and Pilots Association (AOPA)

American Helicopter Society (AHS)

Aviation Distributors and Manufacturers Association (ADMA)

EAA Aviation Foundation, Inc.

General Aviation Manufacturers Association (GAMA)

Helicopter Association International (HAI)

International Association of Machinists and Aerospace Workers (IAMAW)

National Aeronautic Association (NAA)

National Air Transportation Association (NATA)

NASAO Center for Aviation Research and Education (NASAO/CARE)

National Business Aircraft Association (NBAA)

Opportunity Skyway

Professional Aviation Maintenance Association (PAMA)

Federal Aviation Administration ***(in partnership with NCAE)***

Dear Educators:

If you are interested in receiving NCAE Member Organization materials listed in this guide, please write to each coalition member (pages 3–6) individually. (Each member handles its own material distribution.)

Be specific in your request by indicating the item name and/or item number and the number of copies needed. If you have questions, contact the coalition representative whose association most closely relates to your subject matter.

We hope you find this resource guide to be helpful to you and your school.

Sincerely,

National Coalition for Aviation Education

National Coalition for Aviation Education

Member Organizations

Aircraft Electronics Association (AEA)
Tyson Whiteside
AEA Educational Foundation, Inc.
P.O. Box 1963 Attn: Membership Services
Independence, MO 64055
(816) 373-6565 / Fax: (816) 478-3100
AEA represents over 900 FAA Part 145 Certified Repair Stations as well as most manufacturers of general aviation avionics equipment and airframes.

Aircraft Owners and Pilots Association (AOPA)
Janette Prince
Aircraft Owners and Pilots Association
421 Aviation Way
Frederick, MD 21701
(301) 695-2000 / Fax: (301) 695-2375
AOPA represents more than 300,000 general aviation aircraft owners and pilots who use their aircraft for non-commercial personal and business transportation. AOPA members constitute 60 percent of the active pilots in the nation.

American Helicopter Society(AHS)
Norm Mowbray
American Helicopter Society
217 N. Washington Street
Alexandria, VA 22314-2538
(202) 637-3893 / Fax: (703) 892-0542
AHS is the professional society for the advancement of vertical flight technology and its useful application throughout the world.

Aviation Distributors and Manufacturers Association (ADMA)
Patricia Lilly
Aviation Distributors and Manufacturers Association
1900 Arch Street
Philadelphia, PA 19103
(215) 564-3484 / Fax: (215) 564-2175
ADMA represents approximately 100 distributors and manufacturers of aviation parts, components and suppliers.

NCAE Member Organizations

EAA Aviation Foundation, Inc.
Experimental Aircraft Association (EAA)

Chuck Larsen
EAA Aviation Center
P.O. Box 3065
Oshkosh, WI 54903-3065
(414) 426-4888 / Fax: (414) 426-4873

The EAA Aviation Foundation is dedicated to the discovery and fulfillment of individual potential through opportunities and challenges inspired by the dream of personal flight. Its mission focuses upon education, on man's quest for flight, and on research and innovation accomplished by individuals in aviation.

General Aviation Manufacturers Association (GAMA)

Shelly Snyder
General Aviation Manufacturers Association
1400 K Street, N.W., Suite 801
Washington, DC 20005-2485
(202) 393-1500 / Fax: (202) 842-4063

GAMA represents 48 U.S. manufacturers of general aviation aircraft, engines, avionics and related equipment. GAMA promotes a better understanding of the air transportation environment and the important role general aviation plays in the national economy and serving America's transportation needs.

Helicopter Association International (HAI)

Norm Mowbray
Helicopter Association International
1619 Duke Street
Alexandria, VA 22314-4646
(202) 637-3893 / Fax: (703) 892-0542

HAI is a non-profit professional trade association with over 1,100 member organizations in 51 nations. HAI is dedicated to promoting the helicopter as a safe and efficient method of transportation.

International Association of Machinists and Aerospace Workers (IAMAW)

John Goglia
International Association of Machinists
Transportation Department
9000 Machinists Place
Upper Marlboro, MD 20772-2687
(301) 967-4558 / Fax: (617) 233-7777

IAMAW is the largest labor organization representing air transportation in the United States including professional aircraft maintenance and manufacturing personnel.

National Aeronautic Association (NAA)

Raymond J. Johnson
National Aeronautic Association
1815 N. Fort Meyer Drive, Suite 700
Arlington, VA 22209
(703) 527-0226 / Fax: (703) 527-0229
NAA's purpose is to coordinate and promote sport aviation within the United States; to represent sport aviation internationally; to oversee the establishment of all aviation and space records set in the U.S. and to promote aviation through national recognition of individual achievement.

National Air Transportation Association (NATA)

Mervin Strickler
National Air Transportation Association
4226 King Street
Alexandria, VA 22302
(703) 845-9000 / Fax: (703) 845-8176
NATA represents the business interest of the nation's general aviation service companies providing fueling, flight training, maintenance & repair, and on-demand charter service by more than 1,700 member companies with more than 100,000 employees.

National Association of State Aviation Officials/ Center for Aviation Research and Education(NASAO/CARE)

Edward M. Scott
NASCO/CARE
Metro Plaza One
8401 Colesville Road, Suite 505A
Silver Spring, MD 20910
(301) 588-0587 / Fax: (301) 588-1288
NASAO represents the state government aviation service agencies in all the states, as well as the aviation departments of Puerto Rico and Guam.

National Business Aircraft Association (NBAA)

Cassandra Bosco
National Business Aircraft Association
1200 18th Street, N.W., Suite 200
Washington, DC 20036
(202) 783-9000 / Fax: (202) 862-5552
NBAA represents the interests of over 3,200 companies which operate general aviation aircraft as an aid to business. NBAA members earn annual revenues in excess of $3 trillion and employ more than 16 million people worldwide.

Opportunity Skyway

Carlton Spritzer
Opportunity Skyway
1802 Brightseat Road
Landover, MD 20785-4235
(301) 386-5522 / Fax: (301) 386-5533
Opportunity Skyway is a national aviation-oriented drop-out prevention, career development program focused chiefly but not exclusively on preparing minority and disadvantaged youngsters for the workplace.

Professional Aviation Maintenance Association (PAMA)

David S. Wadsworth
Professional Aviation Maintenance Association
500 Northwest Plaza, Suite 401
St. Ann, MO 63074
(314) 739-2580 / Fax: (314) 739-2580
PAMA is a national professional association of aviation maintenance technicians, with some 4,000 individual members and 250 affiliated company members.

Federal Aviation Administration (FAA) (In partnership with NCAE)

Phillip S. Woodruff
Division Manager, AHT-100
Federal Aviation Administration
Aviation Education Division Pl.100
Washington, DC 20590
In addition to FAA's regulatory role in licensing pilots, maintenance, etc., FAA provides a variety of aviation education materials and advice, ranging from kindergarten to the university level.

Aircraft Electronics Association (AEA)

The Aircraft Electronics Association Educational Foundation is a charitable, tax-exempt foundation established to provide aviation education services in four program areas:

AEA — 001: Develop, fund and manage a broad range of academic scholarships to be awarded to students attending post secondary educational institutions, including technical schools. Presently, there are approximately 20 AEA scholarships, totalling $50,000 in financial assistance. Scholarship applications are handled through the Foundation's offices.

AEA — 002: Organize specialized technical and business skills training programs for the aviation industry.

AEA — 003: Provide support for existing aviation related educational institutions.

AEA — 004: Provide support for aviation organizations who offer youth awareness programs to acquaint younger individuals with the educational, professional, technical and recreational opportunities in aviation.

AEA memberships are available for students at all levels of education at $40/year and for educational institutions at $100/first year and $250 subsequent years. Each membership entitles the member to the monthly issues of AEA's official publication, *Avionics News*.

Other publications available include the *AEA Annual Rate and Labor Survey* at $25 per copy.

Aircraft Owners and Pilots Association (AOPA)

AOPA: A New Aviation Education Resource
America's Pilots Participating in Local Education—it's key to ensuring a future for aviation. It's also the name of AOPA's aviation education program, better known as APPLE.

APPLE
Through the APPLE program, AOPA members and all pilots are encouraged to share their aviation experiences with students. Pilots are uniquely qualified to show young people that what they're studying today has applications in an exciting aspect of society—aviation.

AOPA provides its members guidelines about whom to contact in the local school districts, tips on topics to discuss, and activities for the students. We also provide suggestions for other ways to participate in aviation education in their hometowns. We encourage our more than 300,000 members across the United States to be expert resources, sharing these activities and materials and providing a link between the education and aviation communities. Pilots use their experiences in aviation to spark interest in math, science, and almost any other subject.

Fly A Teacher
AOPA's renowned "Fly A" programs have long been conducted enthusiastically by AOPA members. Through the "Fly A" programs, AOPA members provide orientation flights to people who otherwise might not get the chance to see what general aviation is all about. Their efforts give a positive image of our industry to community leaders, reporters, friends, air traffic controllers, and now, teachers. Teachers realize the value of aviation as a teaching tool. But we think they should really experience it. We provide our member pilots with guidelines for orientation flights for teachers. We tell our members why the activity is important and how to contact local teachers. We also suggest follow-up activities and provide AOPA's First Flight Certificates.

AOPA's brochure *A Teacher's Guide to Aviation* is a popular introduction to aviation as a teaching tool. It also lists 20 other industry organizations that offer teachers reference materials.

AOPA members help us distribute *A Teacher's Guide to Aviation*, and we make it available at teacher aviation education workshops, through FAA Aviation Education Resource Centers, and at airshows and similar aviation events. In the first year of the program, close to 20,000 copies were distributed.

APPLE Classroom Kit
The Classroom Kit includes materials around which a classroom presentation may be developed. Diagrams, definitions, and explanations of airplanes and flight are included, as is a list of suggested activities. The pages may be photocopied for distribution to students.

AOPA's Additional Aviation Education Involvement

We at AOPA are also interested and often involved in what's going on throughout the industry to support aviation education. Our support of FAA's efforts led to the signing of a partnership agreement in December 1991 to promote "Aviation Education and Public Awareness."

We entered another important partnership with Opportunity Skyway in October 1991. Our two organizations are working together to establish Opportunity Skyway affiliate programs around the country. AOPA is represented on the Opportunity Skyway Board of Directors and Advisory Committee.

We inform teachers directly about our aviation education programs through our listing on the Federal Education Information Exchange (FEDIX). Any teacher with a personal computer and modem can learn what materials AOPA has available through the FAA Aviation Education menu.

We also support aviation education at the college level, so AOPA and the AOPA Air Safety Foundation are members of the University Aviation Association.

A New Commitment

AOPA takes pride in renewing its efforts to enhance the aviation education of America's young people. Our resources are available at no cost to educators. Why? Because AOPA believes aviation is a valuable teaching tool which can motivate students while enlightening educators and parents about general aviation's positive contribution to American life.

Aviation Education Materials Available from AOPA

- A Teachers Guide to Aviation
- America's Pilots Participating in Local Education (APPLE) program brochure.
- APPLE Classroom Teaching Kit
- Careers in Aviation brochure
- AOPA's Aviation Fact Card
- Information about subscribing to *AOPA PILOT* magazine (school libraries only, please)

American Helicopter Society (AHS)

AHS—Educational Materials

Vertiflight
Bi-monthly publication of the AHS, a professional society, for the advancement of vertical flight technology and it's useful application throughout the world.

Vertical Flight Foundation Scholarships
The foundation is a charitable trust that supports the scientific and educational activities of VTOL flight. Each year the VFF awards one or more scholarships, at a value of up to $2,000, to undergraduate or graduate students interested in pursuing engineering careers in the helicopter or vertical flight industry.

AHS Descriptor
Since 1943 the AHS has provided it's members with a forum for the exchange of technical information, and has developed a full-service library that provides easy access and distribution of technical and non-technical information on the rotorcraft industry.

Flight
Fundamental lessons in general helicopter technology.
Video tape, narrated by Cliff Robertson, that describes the history, development and future of the helicopter industry.

AHS Individual Membership Booklet
Provides overview of the association, publications, special programs, annual forum and technology display, documents, video library and other technical publications.

Flight-Tape Program
Fundamental Lessons in General Helicopter Technology
Video tape, narrated by Cliff Robertson, that describes the history development and future of the helicopter industry.

Fly Neighborly Guide
Booklet designed to acquaint the public with measures that the industry is undertaking to create a positive image of our industry and to educate the helicopter operator specter with the concerns of the public.

Aeronautical Decision Making
A manual for helicopter pilots and a tool for would be pilots to help eliminate cockpit decision errors.

Basic Guidelines for Establishing a Heliport
Defines federal, state and local roles in the planning process for community heliports that will augment the existing transportation infrastructure.

Heliport Directory
This directory lists all permanent helicopter landing sites in the US., public, private and emergency medical service heliports—public and private.

Helicopter Users Guide
This booklet provides an introduction to helicopters by answering those questions which are most frequently asked by persons unfamiliar with vertical lift aircraft.

Rotor Magazine
Quarterly publication of current activities of the commercial helicopter industry.

Helicopter Annual
Industry wide source book for the civil helicopter industry that includes statistics, member operators, manufacturers, and suppliers and is a valued desk top reference for the entire aviation industry.

Aviation Distributors and Manufacturers Association (ADMA)

The Aviation Distributors and Manufacturers Association represents approximately 100 distributors and manufacturers of aviation parts, components and supplies. ADMA publishes a bi-monthly *Aviation Education News Bulletin* for students and educators; honors an educator annually with the Stewart G. Potter Aviation Education Award; awards annual scholarships for students pursuing careers as a pilot or in aviation management; and publishes brochures including *Student Airport Tours* which provides a checklist for both the educator and FBO to assist in arranging educational tours and *Choose a Career in Aviation* which assists students in selecting an aviation career goal and then pursuing specific classes to help them achieve that goal.

EAA Aviation Foundation, Inc. Experimental Aircraft Association (EAA)

The EAA Aviation Foundation, Inc.
The EAA Aviation Foundation is dedicated to the discovery and fulfillment of individual potential through opportunities and challenges inspired by the dream of personal flight. Through its people-serving programs and activities, the Foundation shares the spirit, tradition and standards of the Experimental Aircraft Association. Its mission focuses upon EDUCATION, on the rich HERITAGE of man's quest for flight and on RESEARCH AND INNOVATIONS accomplished by individuals in aviation.

A commitment to excellence is easy to announce, but very difficult to maintain. It takes a shared vision to see a goal and hard work to reach it. True excellence, however, is measured by those who have maintained high levels of achievement year after year.

Established in 1962, the Foundation co-sponsors the annual EAA Fly-In Convention, operates the world-class EAA Air Adventure Museum, encourages innovative technologies to make flying possible for more people and maintains a renowned library collection of books, periodicals, photographs and archival materials.

In its commitment to education, the Foundation sponsors an expanding array of forums, workshops and hands-on activities for all ages. Those events provide the skills and knowledge valuable even beyond the world of aviation.

We need people like you to help us maintain and expand this commitment to excellence.

For more information on how you can support these programs for youth and the EAA Aviation Foundation, call the EAA Aviation Center at (414) 425-4800.

EAA Young Eagles
What would the world look like from the edge of a cloud? The sky is an endless wonder and the goal of the Young Eagles Program is to match a young person's fascination with skies with a pilot eager to share it. EAA members are dedicated to giving one million young people an airplane ride by the year 2003—the 100th anniversary of powered flight and 50th anniversary of EAA. The experience includes more than just a ride, however as pilots share the "whys" and "hows" of aviation and, more importantly, share the joy of flight. It's a chance for youth to meet a positive aviation role model.

Each Young Eagle receives a certificate presented by their pilot to commemorate the experience. The young person's name is entered in the "World's Largest Logbook" at the EAA Air Adventure Museum plus each receive a Young Eagles decal and two issues of Sport Aviation For Kids.

EAA Aviation Foundation, Inc.

The Young Eagles Program seeks young people that will be the next generation of aviators. It encourages them to dream and strive to reach positive life goals. The experience motivates responsibility and safety in a unique and exciting setting.

Set a vision for the future. Find out more about the Young Eagles Program by request on the form in the brochure or calling the EAA Aviation Center at (414) 426-4800.

EAA Air Academy

The Air Academy is a summer aviation experience of a lifetime for youth ages 15–17.

- A chance to study aviation from every angle—the people, places and science of aviation.
- Held each summer at the EAA Aviation Center in Oshkosh, Wisconsin, the place where the world focuses on aviation.
- Held at various sites across the nation during the year.
- Master craftsmen and teachers emphasize sharing the skills and lore of aviation that culminates with activities at the EAA Fly-In Convention.

Adult Air Academy

The Adult Air Academy is an intense week-long program that opens the world of aviation for adult enthusiasts.

- The adult Air Academy gives opportunities for enthusiasts to share their interest and learn hands-on aviation skills from instructors who are among the finest in the world.
- Adults may choose from a general overview of aviation topics or concentrate on specific skills.

EAA Scholarship Program

Encouraging, recognizing, and supporting students in pursuit of an aviation career is the goal of EAA and award sponsors.

- The EAA Aviation Foundation awards thousands of dollars in grants every year, ranging from two hundred dollars to full degree programs.
- Recipients are students demonstrating a financial need to accomplish their goals in the field of aviation.
- The Foundation looks to encourage students who are studying the technologies and skills of aviation, seeking to become tomorrow's aviation leaders.

EAA Project Schoolflight

This program has helped young people explore aviation for more than 35 years by building an actual aircraft in their own schools or youth organization.

- It includes the basics of aircraft design and construction for enthusiasts in high schools and technical schools throughout North America.
- The program not only teaches aviation, but also skills, an appreciation for workmanship and high standards of quality applicable to more than aviation.
- Inexpensive pedal-plan kit and simple VFR flight simulator plans are available to elementary and middle schools.

EAA Fly-in Convention
Held at Wittman Regional Airport in Oshkosh, Wisconsin, the Convention is one of the world's largest and most comprehensive aviation events.

- More than 500 forums and workshops are presented to teach amateurs and professionals more about the latest in aviation.
- Top airplane experts and builders share their years of knowledge with enthusiasts.
- The latest aircraft innovations and designs are on display explained by the people behind the ideas!

EAA Videos
From starting to build an airplane to learning how to fly loops and rolls, EAA's ever-expanding roster of videos can help.

- Aviation experts offer their expertise, opening a world of aviation knowledge.
- The videos show the right places to find help to advance in aviation knowledge and experience.
- Discover the priceless heritage of aviation through historical videos produced by EAA.

EAA Membership For Kids And Young Adults
Young people have many ways to get involved in EAA's world of aviation. The newest way is the EAA Sport Aviation Club...a great club for young people aged 8–14 that introduces them to the world of aviation. For $15 a year, kids receive *Sport Aviation for Kids*, a colorful new magazine with awesome photos, super games and exciting stories about airplanes and the people who love flying them. Club members also receive a Sport Aviation Club membership card, iron-on patch and club logo sticker. If you've always wondered how airplanes fly and who flies them, here's a great way to find out:

Young adults through age 18 can be an EAA youth member. For $20 a year, member receive their own EAA membership card, 12 issues of *Sport Aviation* magazine and the special benefits that all adult EAA members enjoy. They are also eligible to participate in special youth forums and other activities at the annual Fly-In Convention in Oshkosh, Wisconsin, the EAA insurance programs and activities with local EAA chapters. It's a great way for young people to discover more about the freedom of flight.

EAA Publications
Each of EAA's six publications contains valuable insights into aviation along with the people who fly.

- EAA's flagship publication, *Sport Aviation*, provides a look at the entire spectrum of recreational aviation.
- *The Experimenter* is published for light plane and ultralight enthusiasts, as well as people building their own airplanes.
- *Vintage Airplane, Warbirds* and *Sport Aerobatics* have great appeal for enthusiasts of these specialized areas of sport aviation.
- The new *Sport Aviation for Kids* gives young people an exciting first look at the possibilities in the world of aviation.

General Aviation Manufacturers Association (GAMA)

Aviation Education Activities

GAMA Events

GAMA Aviation Education Symposium. Bi-annual event held in Washington, DC. A symposium for aviation education professionals representing all facets of the aviation and space community. The group exchanges information and ideas on the challenges facing the field of aviation in America today.

Annual National Women in Aviation Conference. Each year, GAMA sponsors the 500 (+) attendee conference hosted by Parks College, St. Louis University and chaired by Dr. Peggy Baty. The conference goals are to offer women an opportunity to learn about their aviation heritage, to encourage more women to become involved in an aviation career and to provide a networking environment for women in the field of aviation.

National Congress on Aviation and Space Education Conference. GAMA participates in seminars and distributes thousands of materials to over 850 teachers from across the country. At each Congress, GAMA holds an aviation education idea contest for the participants and introduces the Excellence in Aviation Education Award.

National Intercollegiate Flying Association SAFECON (Safety Evaluation Conference). GAMA participates in NIFA and University Aviation Association (UAA) activities throughout the event. Provides materials and information to participating students from more than 25 colleges and universities across the country. Sponsors and awards the Harold S. Wood Award for Excellence to the top aviation student in the country.

Annual Aerospace Education Symposium. Sponsored by the USAF-CAP Rocky Mountain Liaison Region and hosted at the U.S. Air Force Academy. GAMA's "General Aviation" program includes general aviation history, flight training, aviation education and various other topics.

GAMA Awards Offered

GAMA Excellence in Aviation Education Award. This is an annual award presented to three educators in each of four grade groups: Kindergarten through 3rd grade, 4th through 6th grade, 7th through 9th grade, and 10th through 12th grade. Secondary and primary school teachers, who bring aviation into the classroom, are eligible for the award.

GAMA Harold S. Wood Award for Excellence. This prestigious annual award recognizes the most outstanding collegiate aviation scholar in the nation. It is named for NIFA executive director emeritus Dr. Harold S. Wood who is internationally known for his dedication to aviation education.

GAMA Materials

Learn To Fly. (Brochure) A brief synopsis of the levels of pilot certificates, the training required, answers to questions on becoming a pilot, and illustrated basics of flight.

General Aviation...A National Resource. A full color 16 page brochure tells all facets of the general aviation story and explains its increasingly important role in the U.S. Features dozens of glossy photographs, diagrams and graphs. Designed to provide any reader with a quick, yet thorough understanding of general aviation.

Activities and Resources to Use in General Aviation Teaching Units. Developed to assist educators in any level of teaching to construct a teaching unit designed to offer the student a source of knowledge of general aviation's history and its modern application.

GAMA Aviation Education Report – Your Career in General Aviation. Emphasizes general aviation while describing the wide variety of job opportunities available in the aviation community. Provides students with a brief description of the type of education or experience necessary for various types of jobs. Lists twelve different organizations offering specific aviation career information.

Take Off For Opportunities. This 11-minute VHS video provides information on future opportunities for young people in aeronautical/aerospace engineering, maintenance and avionics repair.

Take Off For Opportunities Student Information Guide. A transcript of the movie.

Making the Difference. Documentation of six true stories of general aviation in common and critical situations. Shows general aviation at work in the sky in such commercial uses as photography, agriculture, air ambulance, flight training, and business and corporate flying. 14 minute VHS video cassette.

Aviation Education Resource List. List of aviation organizations that provide materials to educators.

Teacher Workshops. GAMA provides materials, free of charge, for more than 100 workshops nationwide.

GAMA Participation

Brewer Aviation Education Award. GAMA staff serves on the selection committee for the national Brewer Aviation Education Award presented each year by the National Aeronautics Association at the National Congress on Aviation and Space Education.

FAA Excellence in Aviation Education Award. GAMA staff has previously served as a judge for the FAA Excellence Award which is awarded annually from among thousands of teachers nationwide.

Helicopter Association International (HAI)

1992 Helicopter Annual
A comprehensive reference guide for the civil helicopter industry. The Helicopter Annual includes helicopter specifications, industry statistics, HAI membership directories by class and geographical matrix, listings of international civil aviation contacts, key FAA regional & headquarters contacts, aviation periodicals, association committees, and more. Price: First copy free to HAI members, additional copies $20; $40 to non-members. Shipping and handling $3 within the US; $5 International. (order #101)

Rotor Magazine
A quarterly magazine dedicated exclusively to the civil helicopter industry, ROTOR contains news and features on the civil helicopter industry. It covers pertinent helicopter operational, safety and regulatory issues, including an FAA Administrator's question & answer column, legislative and lobbying issues. and HAI committee and member activities. Price: Subscription to ROTOR is included in membership dues. Within the US, non-member subscriptions are $15 per year, or $25 for a two-year subscription. Outside the US. $25 per year. or $42 for a two-year subscription. Shipping & handling charges included. (order 4102)

Operations Update
A periodic newsletter which reports summaries of Final Rules and Notices of Proposed Rule making; from the Federal Register; announcements of other governmental and industry activities; and advisory circulars, petitions, meetings and initiatives that affect helicopter certification, airworthiness, airspace access and flight operations; 12 issues yearly. Price: One subscription included in Regular Member dues, and Associate Member dues upon request. Other HAI Member or additional Member subscriptions $50 per year; non-member $135 per year. US, Canada and TNT air drop shipping and handling included. For international Air Mail direct delivery, add $25. (order #103)

MMIR Brochure
A quarterly compilation listing malfunction and defect data from the Federal Aviation Administration on aircraft components and maintenance procedures. Price; Available only by subscription, members $25 per year; non-members $40. Shipping & handling charge included. (order #104)

Preliminary Accident Reports
Monthly Preliminary Reports, Technical Notes, Airworthiness Directives, Service Difficulty Reports, and civil helicopter accident statistics reported to NTSB, CASB and FAA. Includes HAI trend analysis and cumulative monthly and prior year accident totals, and Alert Service Bulletins from manufacturers. Price: Included in Regular Member dues, and Associated Member dues upon request. Other HAI Member or additional subscriptions $35; non-members $75 per year. US, Canada & TNT air drop shipping included. For International Air Mail direct delivery, add $25. (order # 105)

Technical Manuals and Guides

Aeronautical Decision Making For Helicopter Pilots
The result of a ten-year FAA research, development, testing and evaluation program to determine the feasibility and effectiveness of teaching the aeronautical decision making process to pilots, this manual includes chapters on self-assessment of hazardous attitudes, judgment concepts, identifying and reducing stress, and applying decision making concepts. (135 pgs.) Price: for Members $8; non-members $12 Shipping & handling $3 within the US, $5 International. (order #107)

Fly Neighborly Guide, Pocket Guide & Decal
An outline of HAI's Fly Neighborly Program, a voluntary sound-reduction program designed to integrate helicopter operations into the community, this guide actively addresses noise abatement and public acceptance of the helicopter as well as serving as an important pilot training tool. Price; HAI is pleased to distribute single copies of the Fly Neighborly Guide free-of-charge as an industry service. Shipping & handling $2 within the US; $4 International. (order #108)

Helicopter Users' Guide
An information booklet designed to answer the questions most commonly asked by those employing helicopter services for the first time. Developed by HAI's Safety Committee, the Helicopter Users' Guide provides basics on helicopter aerodynamics, helicopter maintenance, factors affecting performance and safety guidance for passengers and support personnel to ensure a safe and efficient flight. Price: HAI members $1 each; non-members $2 each. For 100 copies, $50 to members; non-members $75. Shipping & handling for 100 copies, $2 US; $15 International. Price may change. (order #109)

Heliport Directory
A Heliport Directory serving the helicopter industry, this publication includes 400 pages of EMS and State Heliports in the United States, Virgin Islands and Puerto Rico. The information contains a full location of all heliports including latitude and longitude, public use/private use designation. attended/unattended information and whether the facility is lighted or not. The directory is conveniently encased in a three-ring binder. The listings are updated each year. (1990, 400 pages) Price: Members: $35; Non-members: $50 Refills/updates: $25. (order #111)

Holding Onto Revenue
This 16 page guide was developed by HAI's Economics Committee to help operators recognize basic business skills required for successful commercial helicopter operations. Price: HAI Member $5; Non-member $8. (order #112)

HAI

HAI Publications

Interim Guidance For Conducting In-depth (Part 135) Inspections
This document is FAA's National Aviation Inspection Program Guidance to Field Offices (FSCOs). Price: HAI members $10; non-members $15. Shipping & handling is included in the price. (order #113)

Guide For The Presentation Of Helicopter Operation Cost Estimates
A comprehensive, standardized guide to airframe and engine manufacturer operating cost estimates to assist helicopter operators to project, track and record direct and indirect operating expenses. Published by Aerospace Industries Association of America in cooperation with HAI. (1987, 36 pgs.) Price: $7.00. (order #114)

Helicopter Safety Reference Guide
The Helicopter Safety Reference Guide, 160 pgs., is sold separately: $20 for members; $30 non-members, while supplies last. Shipping & handling $3 within the US; $5 international. (order #116)

Technical Reports and Papers

FAA Helicopter Abstracts and Bibliography
This publication contains executive summaries, or abstracts, from technical reports and documents on operations completed by the FAA in the last 25 years. It provides an excellent background for people and companies interested in a quick review of advancements in helicopter technology. (1986, 105 pgs.) Price : HAI members $15; non-members $25. Shipping & handling $3 within the US; $5 International. (order #118)

Community Rotorcraft Transportation Benefits & Opportunities
A comprehensive report to assist planners in assessing and planning for the use of rotorcraft transportation in their communities, it also provides information based on the proceedings of the Monterey Conference on Rotocraft and Commuter Transportation, helicopter research, economic opportunities and benefits. Published in coordination with NASA and the American Planning Association. (180 pgs.) Price : HAI members $10; non-members $25. Shipping & handling $3 within the US; $5 International. (order #119)

International Association of Machinists and Aerospace Workers (IAMAW)

The International Association of Machinists and Aerospace Workers offers a number of scholarships to union workers and their families on the national and local level.

IAMAW is currently participating in the National Coalition for Aviation Education and offers guidance to anyone interested in the profession.

National Aeronautic Association (NAA)

The National Aeronautic Association's aviation education programs primarily support the affiliated sport and other organizations.

The NAA is the designated United States member organization in the Federation Aeronautique Internationale and has an active role In the FAI Education Committee.

NAA in cooperation with the FAA and NASAO sponsors the U.S. participation in the annual young people's Internatlonal Aviation Art Contest.

NAA is the custodian and adminstrator for the national Frank G. Brewer Trophy which is awarded annually for the outstanding contribution to aviation/space education.

NAA conducts a semi-annual awards activity to recognize aviation records and other accomplishments including the aviation education field.

It is hoped that NAA will be able to expand it's aviation education activities, but the focus will continue to be in a supportive mode and especially encourage research in aviation education.

National Air Transportation Association (NATA)

The National Air Transportation Association Foundation has two scholarship programs, one academic and one for flight training purposes. Five individual $2,500 scholarships are given each year for a total of $12,500 and four scholarships are renewed each year (from the previous year) for a total of $10,000. Therefore, $22,500 in scholarship moneys are paid each year to deserving recipients. All nominees are nominated by National Air Transportation Association Member companies. In addition, NATF is a co-sponsor of the Aviation Education Auction.

Academic Scholarships
Four $2,500 renewable scholarships are awarded each year on the basis of merit. The semi-finalist candidates are selected by the Citizens' Scholarship Foundation of America; final selection is made by the NATF Board of Directors.

Flight Training Scholarship
One $2,500 flight training scholarship is awarded each year on the basis of merit by the John E. Godwin, Jr., Memorial Scholarship Fund (an endowed fund). The semi-finalist candidates are nominated by a Special Selection Committee composed of Officers and Directors of the National Association of Flight Instructors. Final selection of the award recipient is made by the NATF Board of Directors.]

Aviation Education Auction
The annual Aviation Education Auction is co-sponsored by the NATA, the Aircraft Electronics Association Educational Foundation, the Sun 'n Fun EAA Fly-In Scholarship Program, and the Aviation Distributors & Manufacturers Association Scholarship Program. The idea behind the Auction is to solicit donations of new and used items ranging from aircraft parts to computer parts, from pilot supplies to business supplies, from navigational equipment to office equipment, and from out-dated stock to unused inventory. The list of items that can be donated is endless. All items then go on the auction block; all proceeds from the Auction are evenly divided among the four sponsoring organizations for use by their individual scholarship programs.

nasao/care

National Association of State Aviation Officials

Center for Aviation Research and Education (NASAO/CARE)

Educational Programs

Project Air Bear is co-sponsored by NASAO/CARE, FAA, the Ninety-Nines, and the Illinois Division of Aeronautics. Each designated representative of the co-sponsoring organizations serves as members of the Air Bear Council and act in an advisory capacity for the operation of the project.

Project Air Bear is an aviation education program, for kindergarten through third grade level children. Its aim is to promote early childhood aviation interest and awareness. The program makes learning about airplanes fun through the use of a costumed "Air Bear," a national aviation mascot who is a guide and companion to groups of young children as they learn about aviation. It can introduce the children to exciting career choices, stimulate an early interest in reading, science, or math, and eliminate the child's fears about flying.

There are three Air Bear educational programs:

Air Bear Goes to School — Air Bear visits the school classroom to accompany children on a simulated vacation flight, in which some children are the passengers and others are aviation workers who safely maintain and guide the airplane.

An Airport Field Trip for Early Childhood Education — Air Bear can accompany children on a field trip to a local airport to gain a realworld view of aviation in their communities.

Air Bear - An Aviation Mascot at Community Events — Air Bear can be invited as an additional attraction at community events.

The Program has many materials and videos available to assist in training. In addition, costumes, consisting of the Air Bear head, gloves, and a flight suit are available.

National Aviation Education Week

NASAO/CARE has been working on obtaining a joint resolution from Congress declaring the second week of October as "National Aviation Education Week." This designation will augment the programs of the 23 states that already recognize an Aviation Education Week and encourage others to participate. States and other organizations are encouraged to schedule aviation events and educational programs during that week to highlight aviation. We have received support from Rep. James Oberstar, Chairman of the House Aviation Subcommittee and Senator Paul Simon of Illinois.

International Aviation Art Contest

The International Art Contest, an event of the Federation Aeronautique Internationale (FAI), is cosponsored by NASAO/CARE, the National Aeronautics Association (NAA), and the Federal Aviation Administration (FAA). The intentional art contest encourages youth, from ages 5 –16, all over the world to reflect on aviation by illustrating a different aviation theme each year. Over 12,000 entries were submitted in the 1992 contest.

Participating states promote, judge, and select state winners and runners -up for the contest. The state winners' art is forwarded to NASAO/CARE to compete for nine national awards, with the art work of the top three being forwarded to FAI headquarters in Europe for international judging. State winners receive plaques; national winners receive certificates, ribbons, and a framed photograph of their work; and international winners receive Gold, Silver and Bronze Medals. The American Society of Aviation Artists also awards a national grand prize.

NATIONAL BUSINESS AIRCRAFT ASSOCIATION, INC.

National Business Aircraft Association (NBAA)

NBAA has a long history of active participation in aviation education through involvement with such organizations as the University Aviation Association (UAA), the National Intercollegiate Flying Association (NIFA) and the FAA.

NBAA staff have served as members of the **UAA Board of Trustees** and are now currently on the Board. In addition, each year UAA hosts its fall meeting in conjunction with the NBAA Annual Meeting & Convention. Each year, NBAA and UAA host an **aviation student seminar** at the Annual Meeting & Convention where industry and government officials give students an insight into the industry and job opportunities.

The Association also sponsors an annual scholarship program which provides ten $500 scholarships to students studying aviation-related curricula at colleges which are UAA and NBAA members. Applicants must be a college sophomore, junior or senior continuing in school the following year, and must submit a brief essay describing their interest in an aviation career. These scholarships are awarded in January.

At the annual **NIFA SAFECON** (Safety Conference), NBAA sponsors the Flying Events Team Champions trophy for the flight team scoring the greatest number of points in the flying events categories.

NBAA is also a sponsor of the annual **Women in Aviation Conference** and a sponsor of the **FAA's Special Awards Program** for the International Science and Engineering Fair. As well, NBAA staff serve on the selection committee for the national **Brewer Aviation Education Award** presented each year by the National Aeronautics Association at the National Congress on Aviation and Space Education. The Association is a sponsor of the **Aero Club of Washington/National Air and Space Museum Summer Jobs Program** and supports the aviation education efforts of the Aero Club of Washington.

NBAA Materials

NBAA Business Aviation Fact Book
The NBAA Business Aviation Fact Book is a compilation of statistics directly related to business aviation gathered from NBAA surveys, the FAA and other outside data sources. Available free upon request.

NBAA: The Voice of Business Aviation
Explains who and what NBAa represents and briefly explains business aviation. Available free upon request.

"Business Aviation...America's Business Advantage for the 90's and Beyond"
This twelve minute video presentation shows the varied benefits of business aviation. The economic and time-saving advantages are discussed, with statistics given to emphasize the "edge" that business aviation provides. This VHS video is suitable for civic, community, student and other groups with an interest in business aviation. $9.95 each.

OPPORTUNITY SKYWAY

OPPORTUNITY SKYWAY, Inc. is a drop-out prevention, career development program which operates twelve months a year in five states, and focuses chiefly, but not exclusively, on preparing minority, disadvantaged and disabled youngsters for a wide variety of careers in aviation.

OPPORTUNITY SKYWAY involves students and teachers through OPPORTUNITY SKYWAY Clubs, tours of aviation facilities, role-model speakers, student mentors, teacher partners, careers briefing student-teacher "fly-ins," summer internships And private pilot ground schools, start-up flying instruction, and assistance for students who qualify for college and technical training but lack financial resources.

OPPORTUNITY SKYWAY affiliate programs vary: some teach students to fly while in high school, others concentrate on entry-level positions, and several use aviation to help teach math, science, communication, geography, and other subjects. Theatre is used to teach history.

OPPORTUNITY SKYWAY's formal partners assist in the formation of affiliate programs, curriculum development, and the availability of pilots and mentors to conduct special events. Partners include: the Federal Aviation Administration; Aircraft Owners and Pilots Association; National Association of State Aviation Officials; Organization of Black Airline Pilots; Negro Airmen International; the Civil Air Patrol, and Tuskegee Airmen, Inc.

Students who enrolled in OPPORTUNITY SKYWAY's initial program in 1990 are now in college, technical schools, and the workplace. The goal is to replicate the program across the nation with the help of its partners, and the support of school systems and the private industry council.

Teacher materials include a comprehensive newsletter, brochure, and curriculums. Write: 6709 Cpl. Frank Scott Drive, College Park, Maryland 20740. Phone (301) 864-0673; Fax (301) 864-0849.

Professional Aviation Maintenance Association (PAMA)

PAMA, in conjunction with the Aviation Technician Education Council (ATEC), produces a number of career guidance and educational material:

Your Career in Aviation Maintenance — A booklet designed to guide prospective entrants into the field of aviation maintenance whether junior high or high school students, guidance counselors, or ex-military personnel. The Association also provides specific information on schools (FAR Part 147-approved).

PAMA NEWS — Monthly news magazine distributed to 5,000 aviation maintenance professionals. Brings news of the industry, Washington, DC activities, and the PAMA association updates to its members.

The Association offers guidance to anyone interested in any aspect of this profession and continues to respond to all inquiries. PAMA collaborates with all other aviation associations, FAA, foreign groups and regulatory authorities in the pursuit of its purpose.

Federal Aviation Administration (FAA)

Aviation Education Programs

Aviation Career Education "ACE" Academy (Secondary)
One-week summer aviation education programs for high school students co-sponsored by the FAA and the host state organizations. This program is designed to provide students with a wide range of aviation career exploration experiences. Focus will be on aviation career clusters identified by FAA, with emphasis on opportunities for women and minorities. The plan is to have one program in each state and U.S. territory. FAA will conduct regional leadership workshops and provide grants based on the availability of resources. This program reaches 1500–2000 students.

Federal information Exchange (FEDIX) (K–12 –Post Secondary)
FEDIX is an on-line computer-based information service that links the education community and the federal government to educational information services. FEDIX provides a complete agency organizational and program profile for university administrators, professors, teachers and students. Information on aviation education programs and resources available from FAA headquarters, regions, centers, and facilities may be included in the database. Details on aviation education initiatives of aviation industry and special interest groups are also available. FEDIX is linked to the Minority On-Line Information System (MOLIS) which features current data on all Historically Black Colleges & Universities and other minority educational institutions. FEDIX currently has 22,000 users, and 2,000 now users each month.

Aviation Education Resource Centers (AERC) (K-12 –Post Secondary)
Aviation Education Resource Centers function as information distribution centers for FAA aviation education materials and resources. They are used by educators, the media, and the general public. Resource Centers are located at colleges, museums, and state aviation authority offices. Resource centers maintain and provide quantities of FAA printed materials, videotapes, and computer educational software. Center personnel also answer general information requests, conduct workshops and make aviation related presentations. In FY-93 FAA will dedicate 25 additional AERC locations and participate in the dedication ceremonies. This program reaches 100,000 educators and others each year.

FAA Aviation Education Volunteer Counselor Program (K-12 –Undergraduate and Graduate)
FAA will select, provide orientation, and appoint volunteer resource personnel to coordinate with headquarters, region and center aviation education officers to implement FAA aviation education programs. FAA volunteers are designated as official Aviation Education Counselors. The counselors will assist FAA in promoting aviation education and fostering a wider knowledge, and better understanding of FAA, the National Airspace System, and civil aviation in America. We plan to conduct a counselor workshop in headquarters and one in each FAA region and center. We have contracted for the development of a counselor guide. An estimated 5,000 volunteer hours a year.

FAA

Government-Industry-Education Partnerships (All levels)
Industry partnerships such as GAMA, AHS/HAI, NASAO, AOPA, AEA, and Opportunity Skyway programs increase public awareness and enhancement of the role of aviation, and support aviation education programs at all levels of the educational system. These private sector/public or government education partnerships are increasingly important as we move toward achievement of the President's "America 2000" goals for education. Each partnership yields additional resources to support the FAA's aviation program initiatives. In FY-93, we will formalize six new industry and education partnerships. FAA will assist in the development of the Air Bear program with NASAO as a national mascot for aviation education. We will develop curriculum materials for that initiative. Opportunity Skyway encourages youth, especially disadvantaged youth, to explore careers in aviation. We will assist these programs, by developing and distributing national models for use in communities throughout the United States. Support existing and identify potential Opportunity Skyway programs in each region. This program has impacted thousands of students.

National Congress on Aviation & Space Education (All levels)
In partnership with NASA and USAF-Civil Air Patrol, FAA participates annually by presenting teacher workshops and crosstalk sessions to exchange ideas on what is being done to promote aerospace education. This program has impacted 1,000 – 1,500 teachers, and 25,000 students a year.

Aviation Magnet School Programs (Secondary)
Magnet schools are a popular trend in secondary school systems in America. Several "Aviation" Magnet schools have been funded by the U.S. Department of Education. FAA administered the first Aviation Magnet Secondary Grant Program directed by Congress. FAA conducted the first and second National Aviation Magnet School conferences in 1991 and 1992. FAA will conduct another in 1993. FAA published a new aviation magnet school guide in 1993. Impact to over 100 school systems.

DC-3/Flying Classroom/Simulator Program (Public)
The vintage DC-3 aircraft, N-34, provides an educational static display at airshows and communities across the country. The exhibit now demonstrates the new micro flight simulator and software. The Flying Classroom program will eventually provide schools with surplus FAA computers. This program reaches over a million people a year.

Aviation Education Workshops for Teachers (Graduate & Undergraduate)
Principal focus is to provide teachers with information on FAA's aviation education programs aviation in the classroom. Workshops are conducted by approximately 250 colleges and universities annually. FAA will provide information, materials, and/or speakers to each program. Counselor workshops may be conducted with selected teacher workshops. Our FY-93 goal is to cosponsor a workshop in each state and at least one minority institution per region. This program reaches 5,000 educators a year.

Adopt-a-School Program (K-12)

The Adopt-a-School partnership in education program encourages FAA personnel to get involved to share personal knowledge and aviation experience with educators and students. The program matches aviation skills, expertise, knowledge, and resources of FAA with the needs of the educational objectives of local schools. FAA will identify adopt-school locations in each region. This program reaches an estimated 25 schools a year.

National Coalition for Aviation Education (NCAE)
P.O. Box 28068
Washington, DC 20038